

FIG. 1

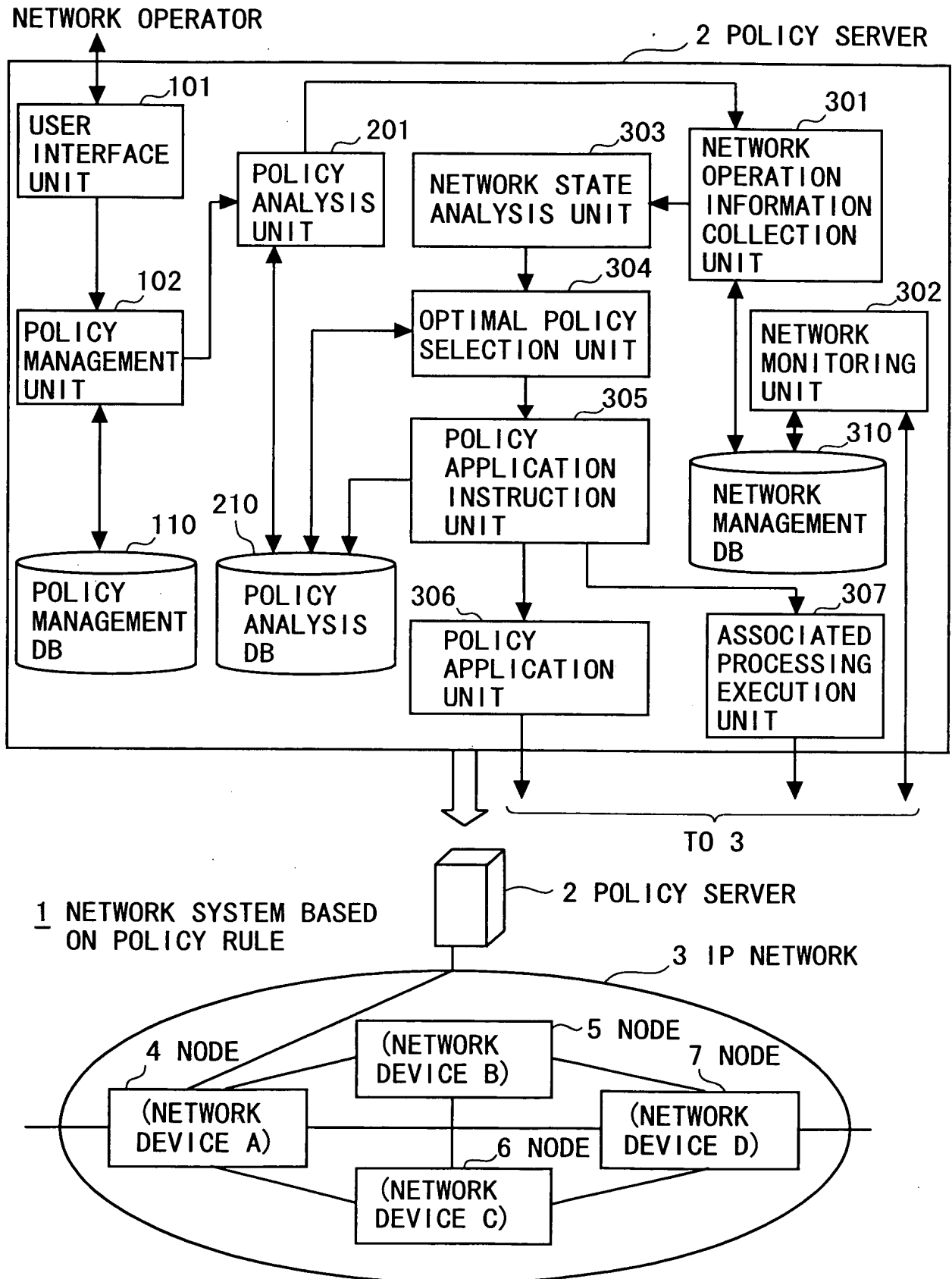


FIG. 2A

| SINGLE POLICY RULE | CONDITION | ACTION | PATH SWITCHING | FLOW CONTROL | MAIL NOTIFICATION |
|--------------------|--|--------|----------------|--------------|-------------------|
| POLICY RULE 1 | OCURRENCE OF LINE UNIT TROUBLE | | ○ | | |
| POLICY RULE 2 | OCURRENCE OF LINE UNIT TROUBLE | | | ○ | |
| POLICY RULE 3 | OCURRENCE OF LINE UNIT TROUBLE | | | | ○ |
| POLICY RULE 4 | EXCESS OF LINE UNIT TRAFFIC AMOUNT THRESHOLD VALUE | | ○ | | |
| POLICY RULE 5 | EXCESS OF LINE UNIT TRAFFIC AMOUNT THRESHOLD VALUE | | | ○ | |
| POLICY RULE 6 | EXCESS OF LINE UNIT TRAFFIC AMOUNT THRESHOLD VALUE | | | | ○ |
| POLICY RULE 7 | EXCESS OF LINE UNIT PACKET LOSS AMOUNT THRESHOLD VALUE | | ○ | | |
| POLICY RULE 8 | EXCESS OF LINE UNIT PACKET LOSS AMOUNT THRESHOLD VALUE | | | ○ | |
| POLICY RULE 9 | EXCESS OF LINE UNIT PACKET LOSS AMOUNT THRESHOLD VALUE | | | | ○ |

FIG. 2B

| MULTI-POLICY RULE | COMBINATION OF SINGLE POLICY RULES |
|-------------------|---|
| POLICY RULE 10 | POLICY RULE 1+POLICY RULE 2 |
| POLICY RULE 11 | POLICY RULE 1+POLICY RULE 3 |
| POLICY RULE 12 | POLICY RULE 2+POLICY RULE 3 |
| POLICY RULE 13 | POLICY RULE 1+POLICY RULE 2+POLICY RULE 3 |
| POLICY RULE 14 | POLICY RULE 4+POLICY RULE 5 |
| POLICY RULE 15 | POLICY RULE 4+POLICY RULE 6 |
| POLICY RULE 16 | POLICY RULE 5+POLICY RULE 6 |
| POLICY RULE 17 | POLICY RULE 4+POLICY RULE 5+POLICY RULE 6 |
| POLICY RULE 18 | POLICY RULE 7+POLICY RULE 8 |
| POLICY RULE 19 | POLICY RULE 7+POLICY RULE 9 |
| POLICY RULE 20 | POLICY RULE 8+POLICY RULE 9 |
| POLICY RULE 21 | POLICY RULE 7+POLICY RULE 8+POLICY RULE 9 |

FIG. 2C

| PATH NAME | ALLOCATED POLICY RULE | PRIORITY |
|-----------|-----------------------|----------|
| TUNNEL-1 | POLICY RULE 1 | HIGH |
| | POLICY RULE 2 | LOW |
| TUNNEL-2 | POLICY RULE 3 | HIGH |
| | POLICY RULE 1 | LOW |
| ⋮ | ⋮ | ⋮ |

FIG. 3

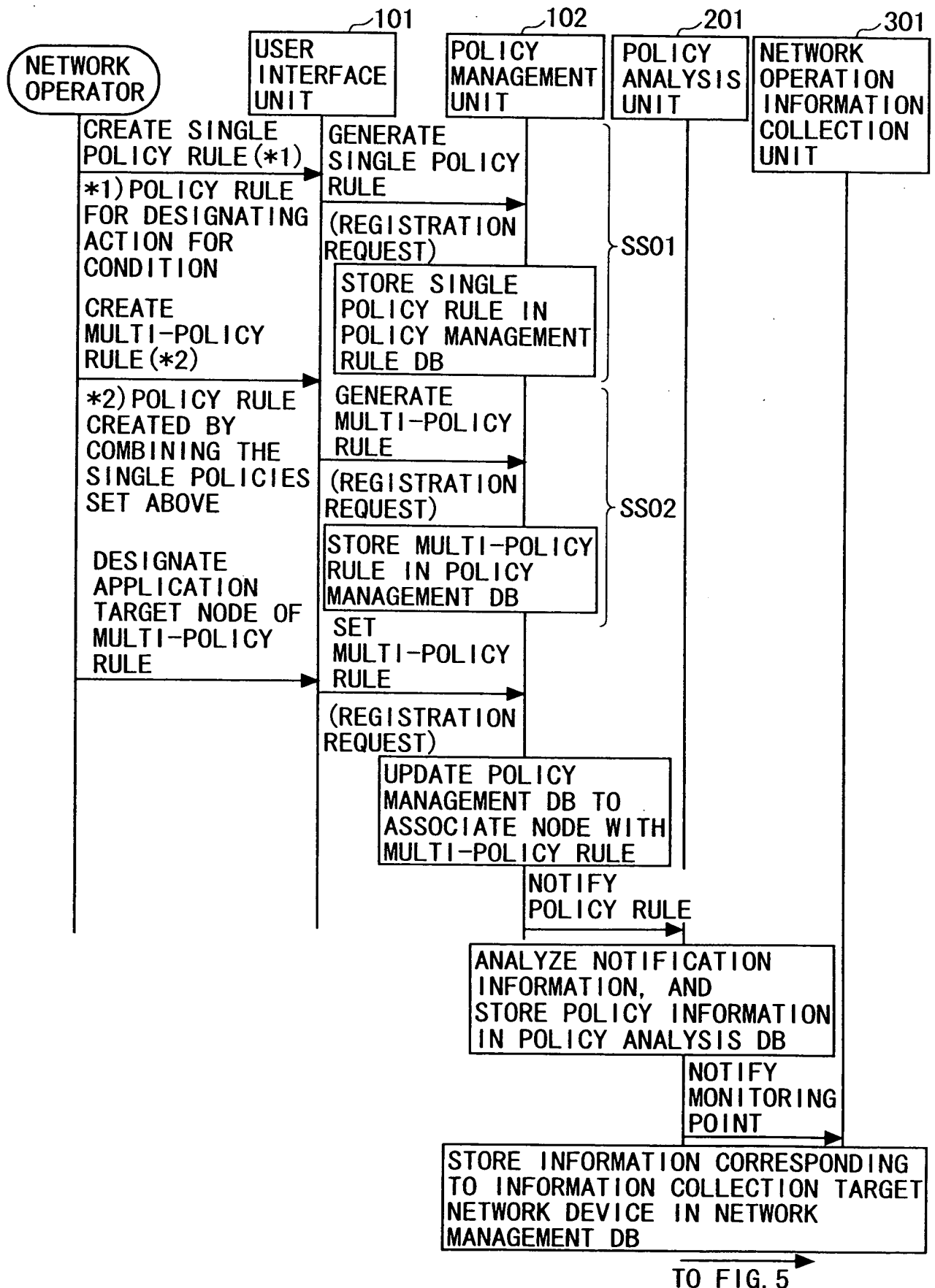
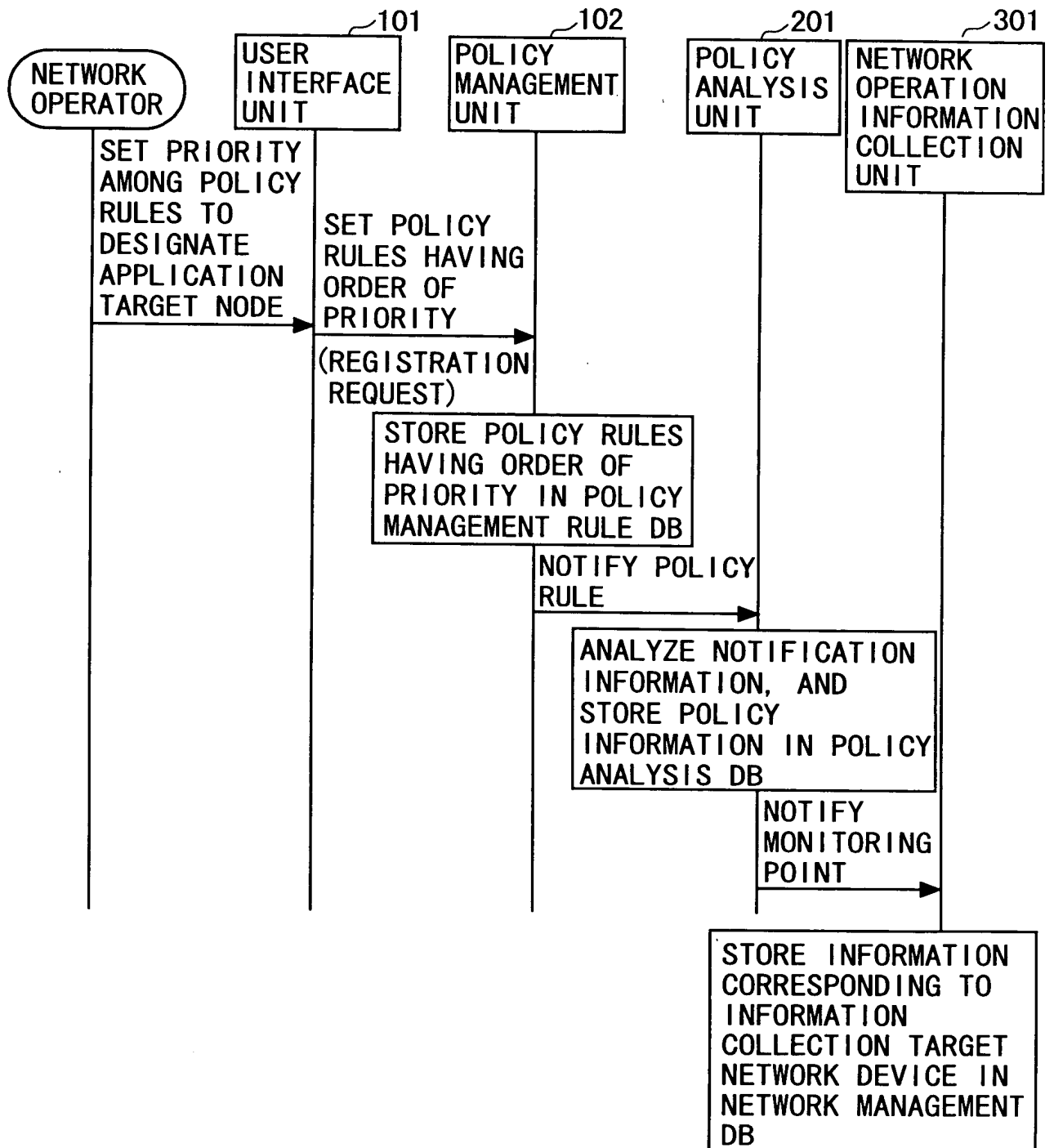


FIG. 4



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TO FIG. 5

FIG. 5

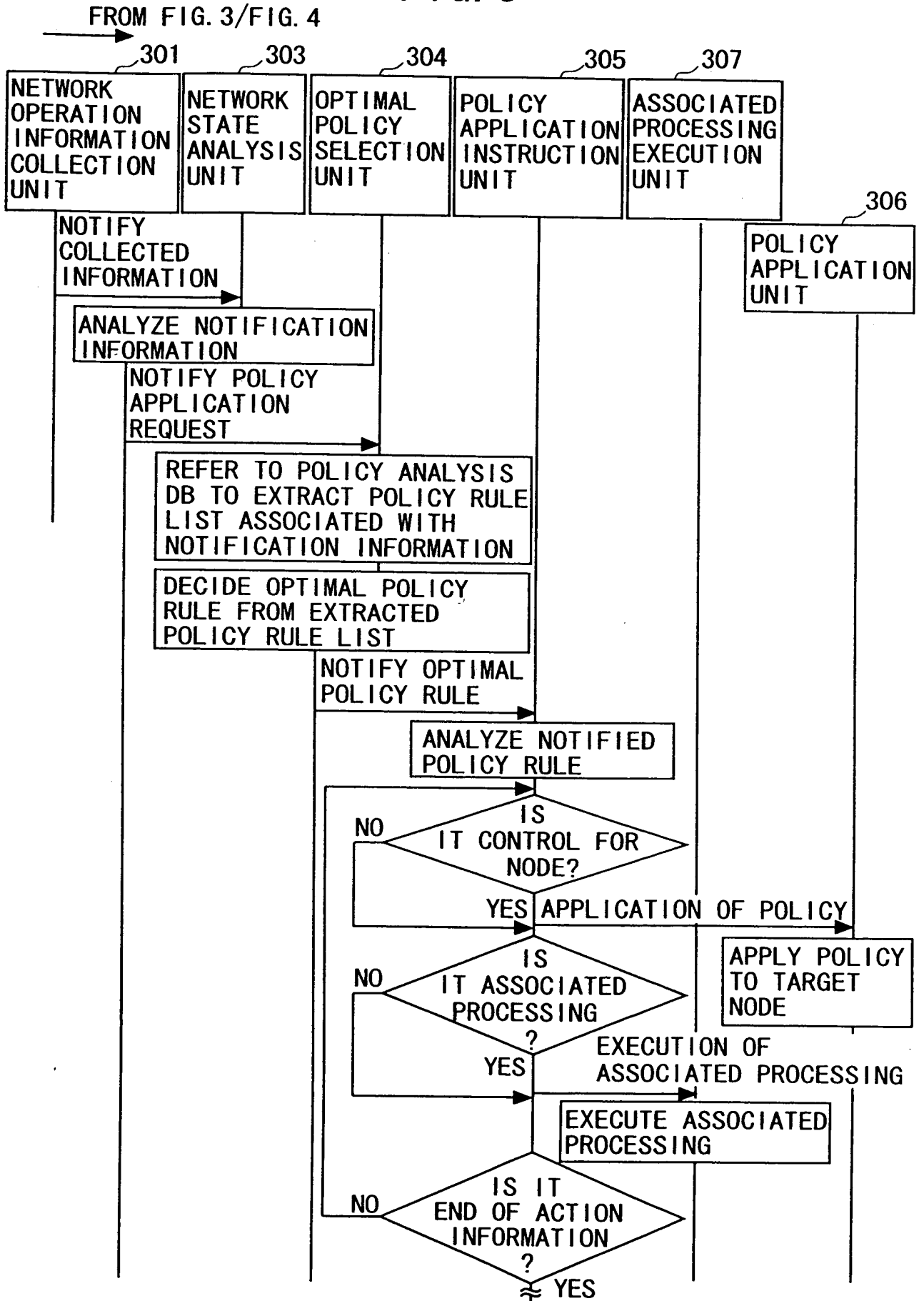


FIG. 6

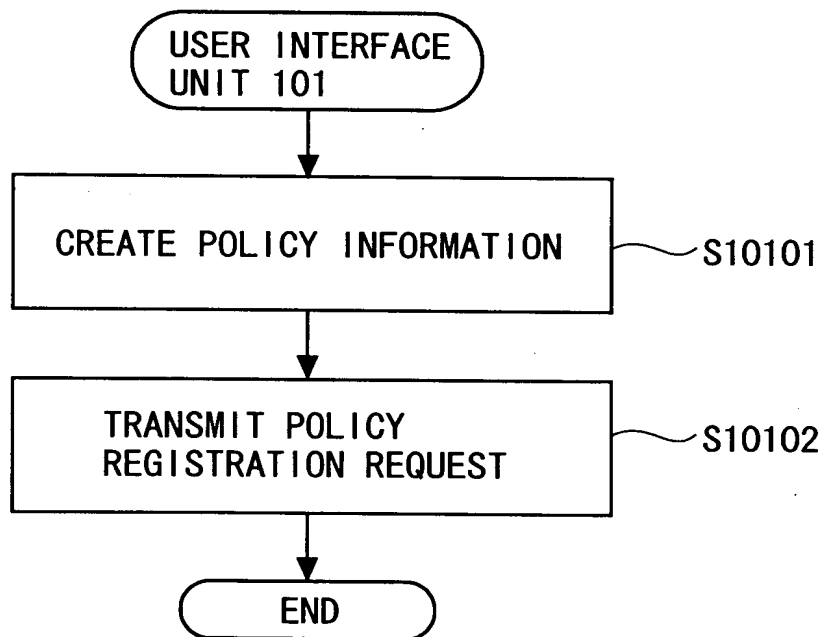


FIG. 7

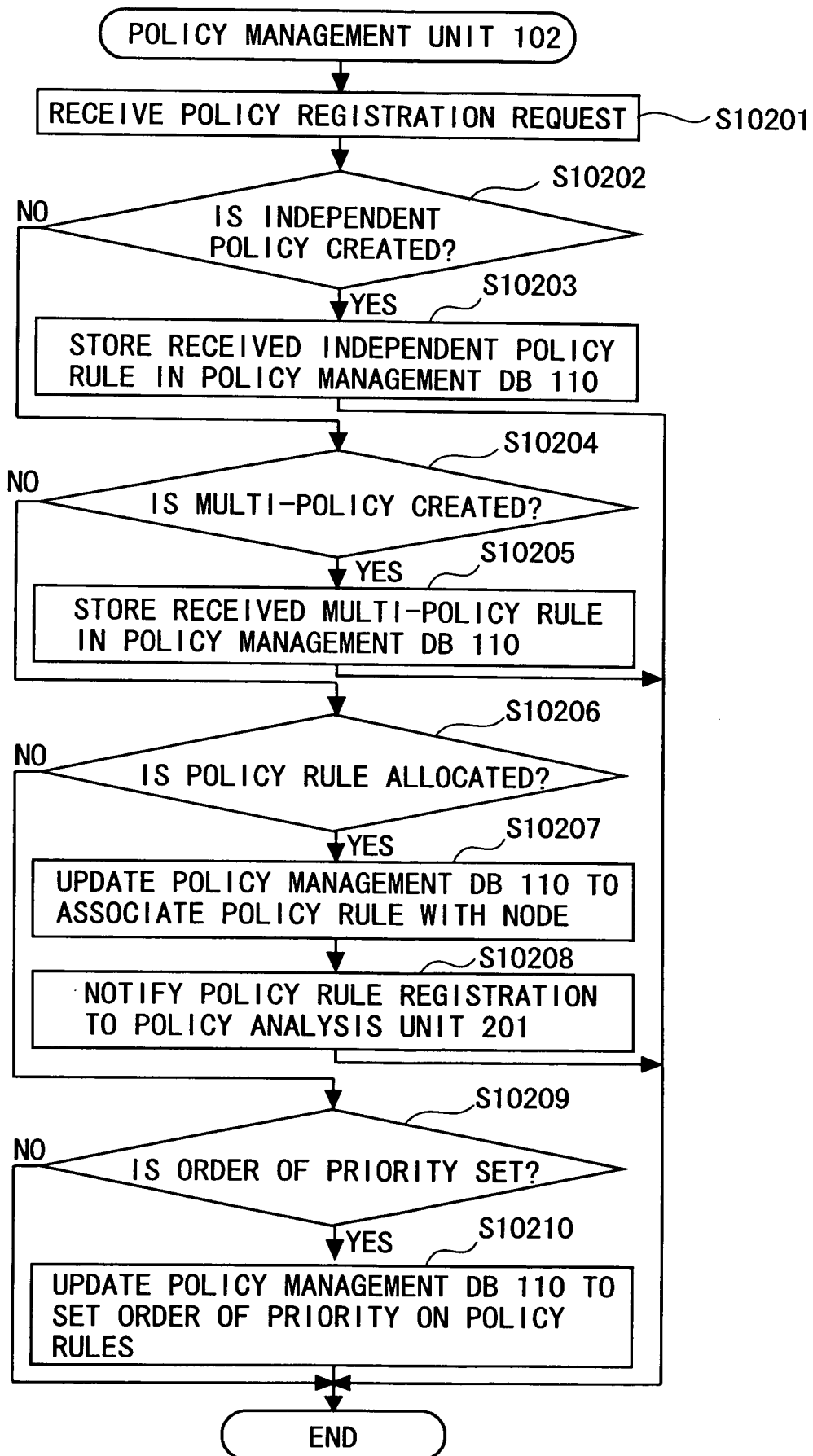


FIG. 8

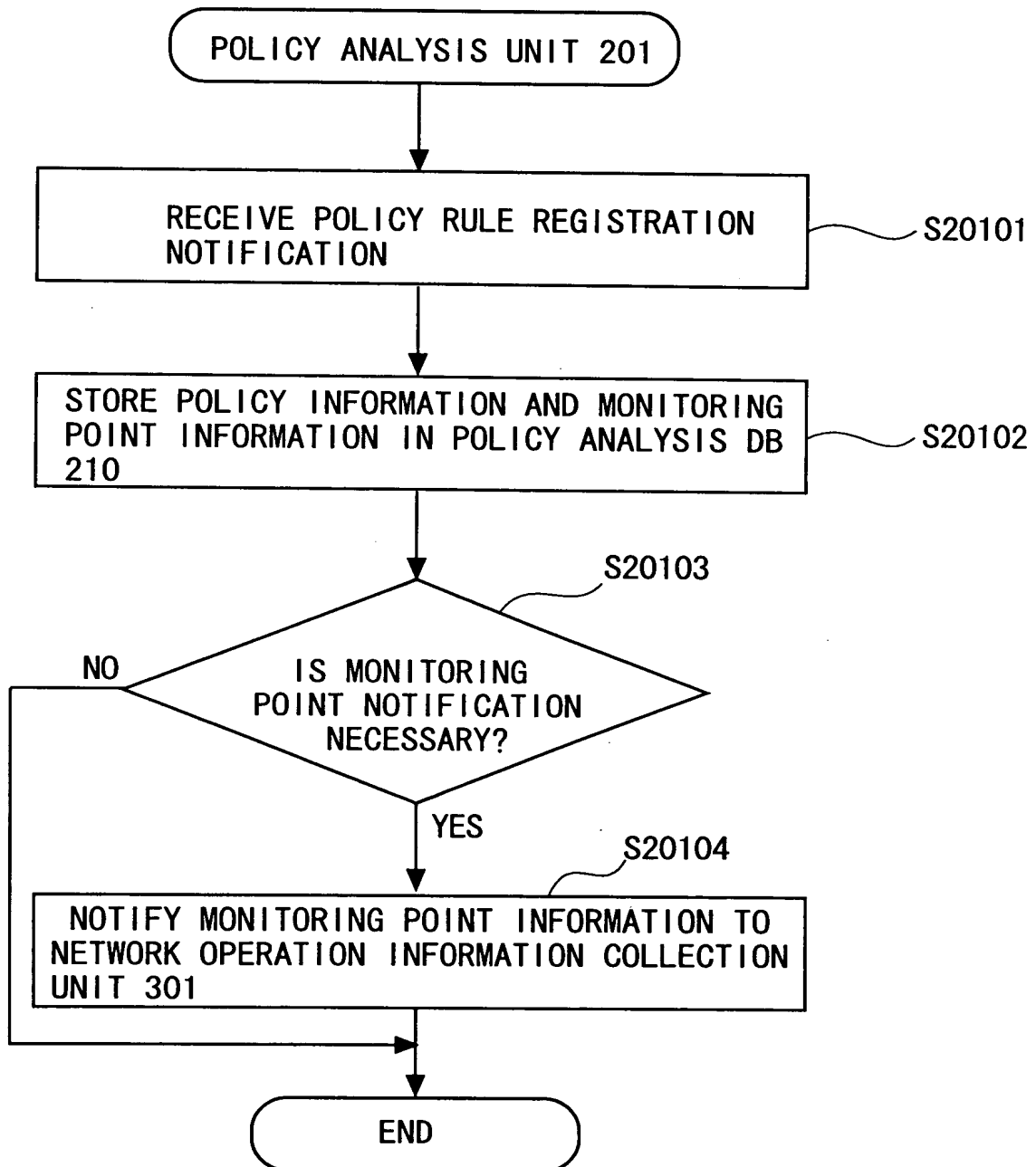


FIG. 9

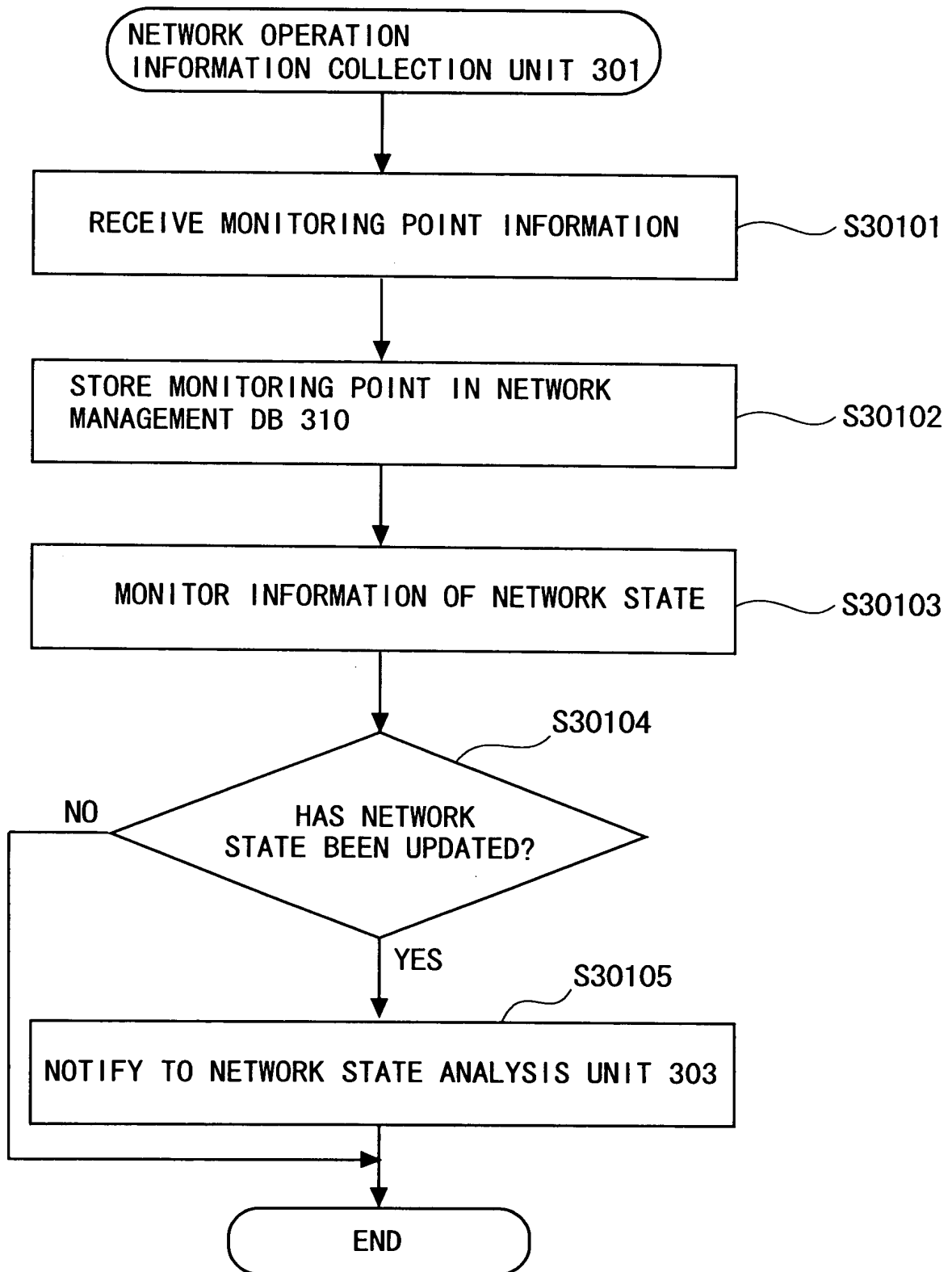


FIG. 10

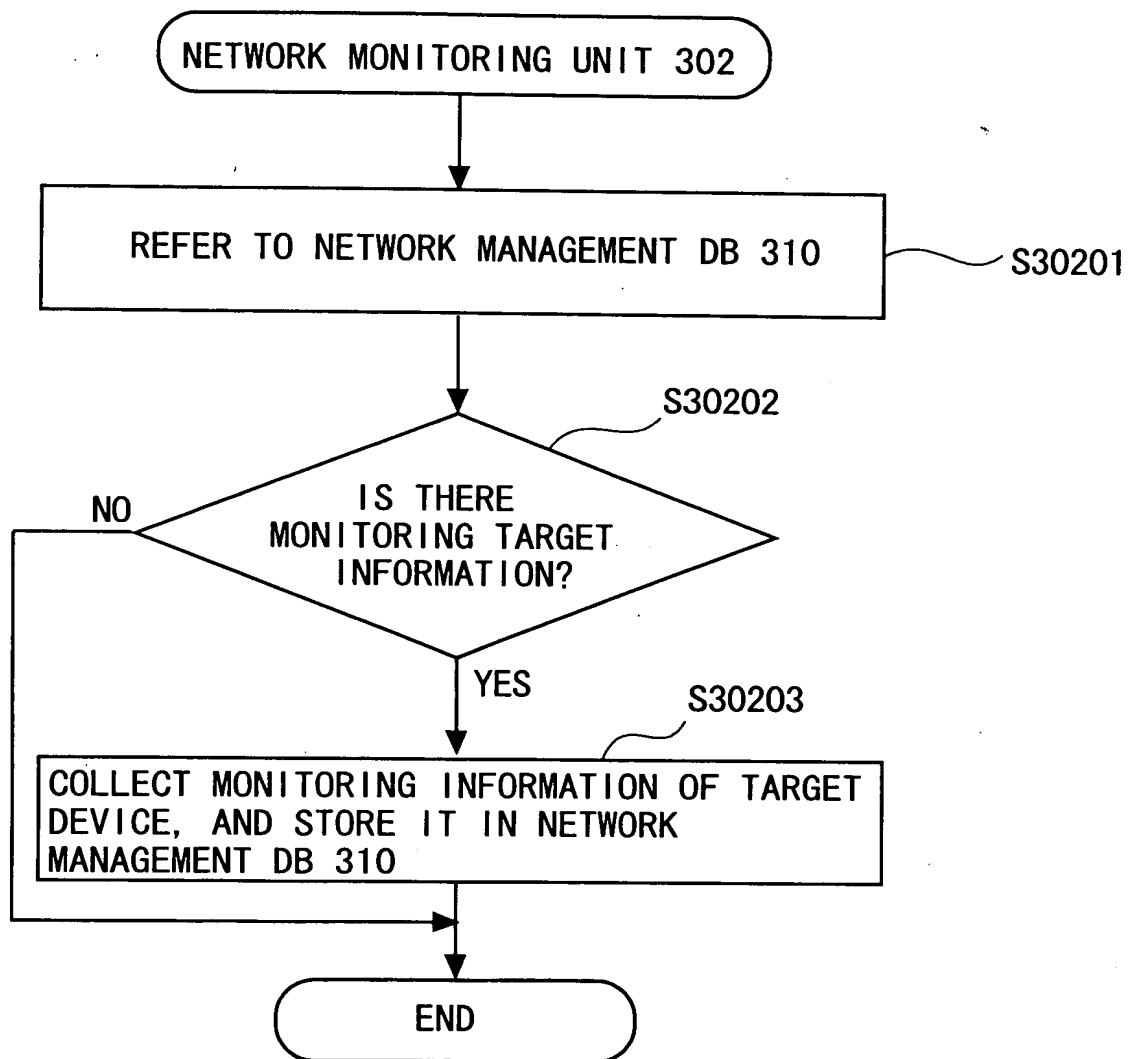


FIG. 11

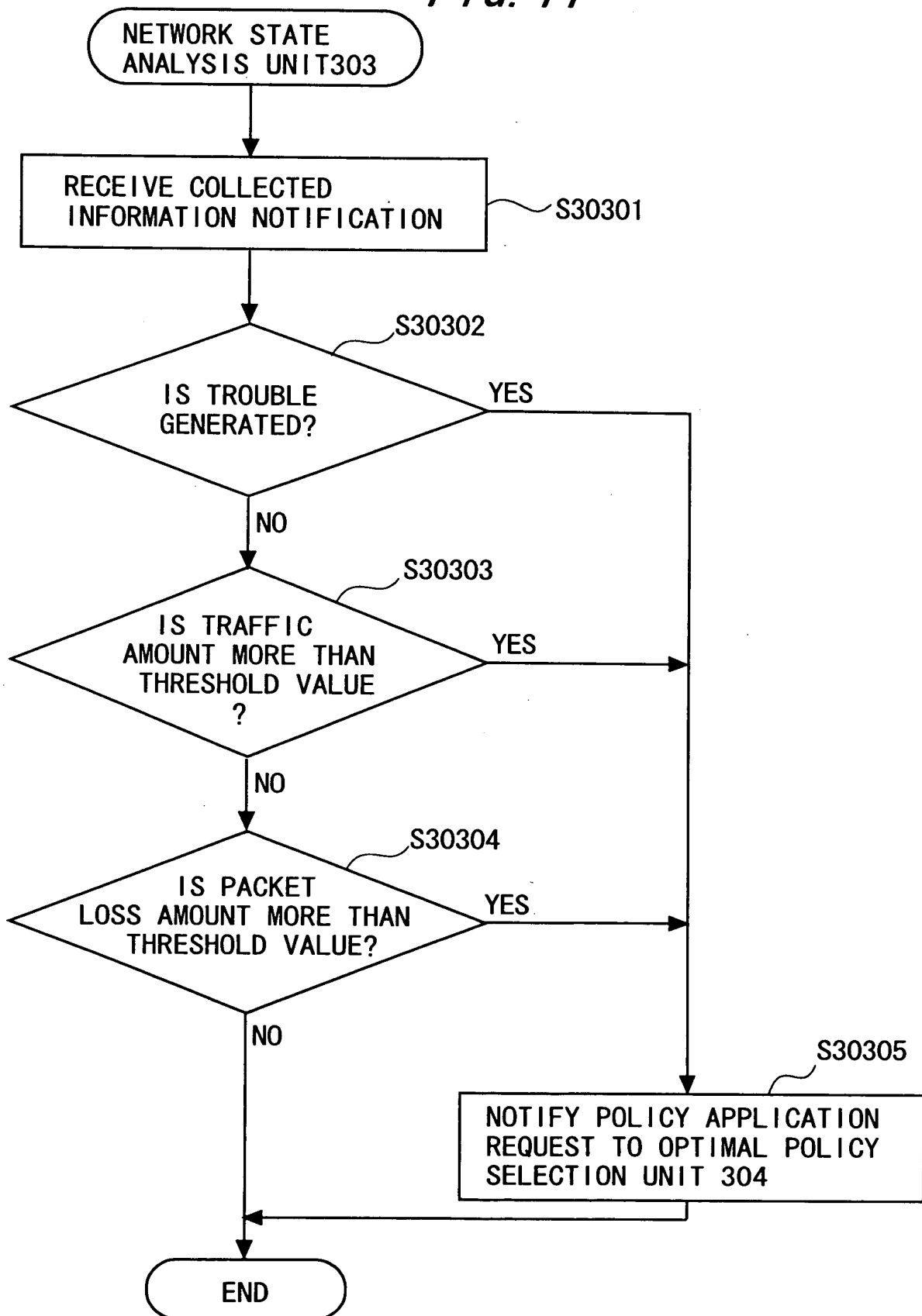


FIG. 12

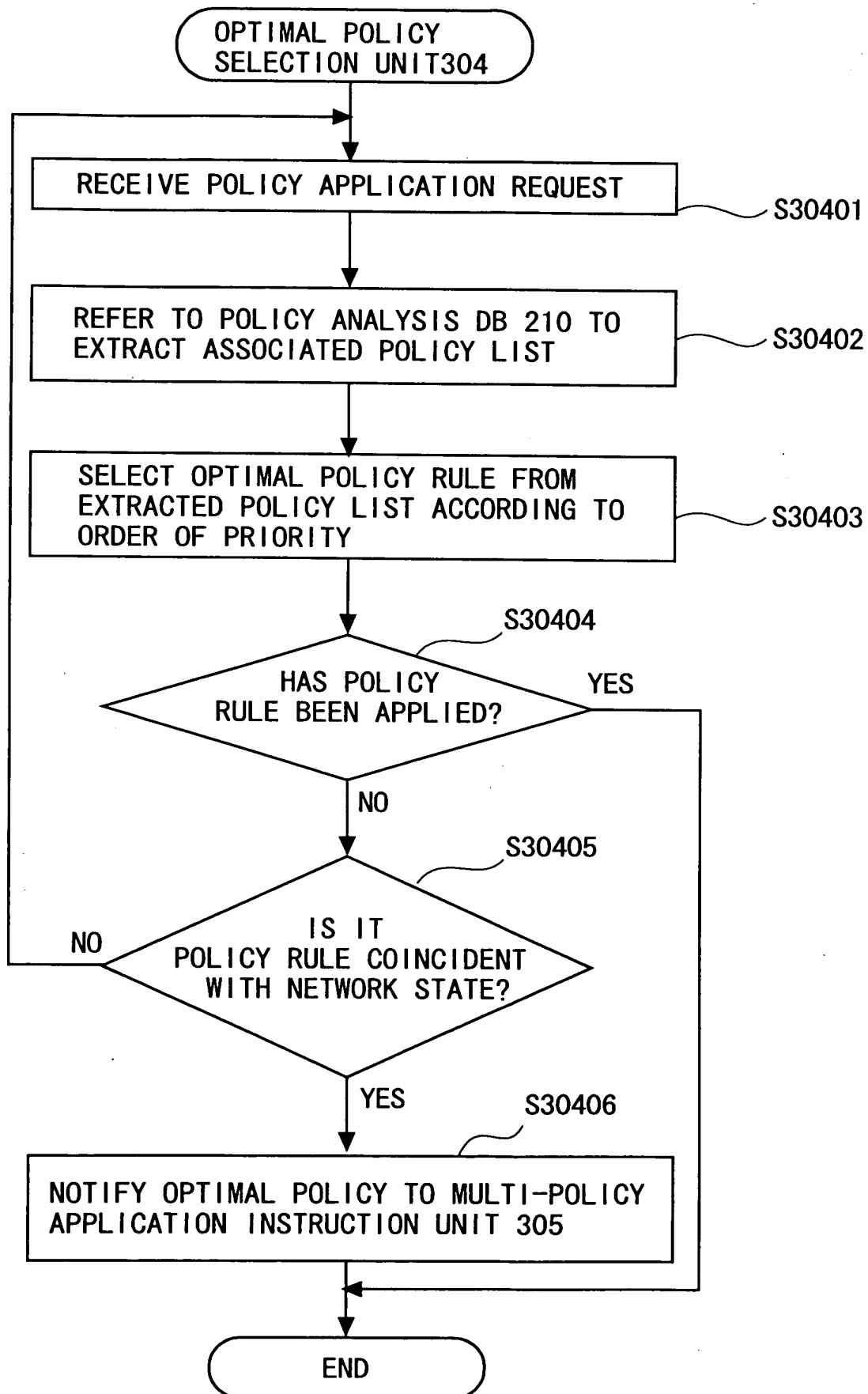


FIG. 13

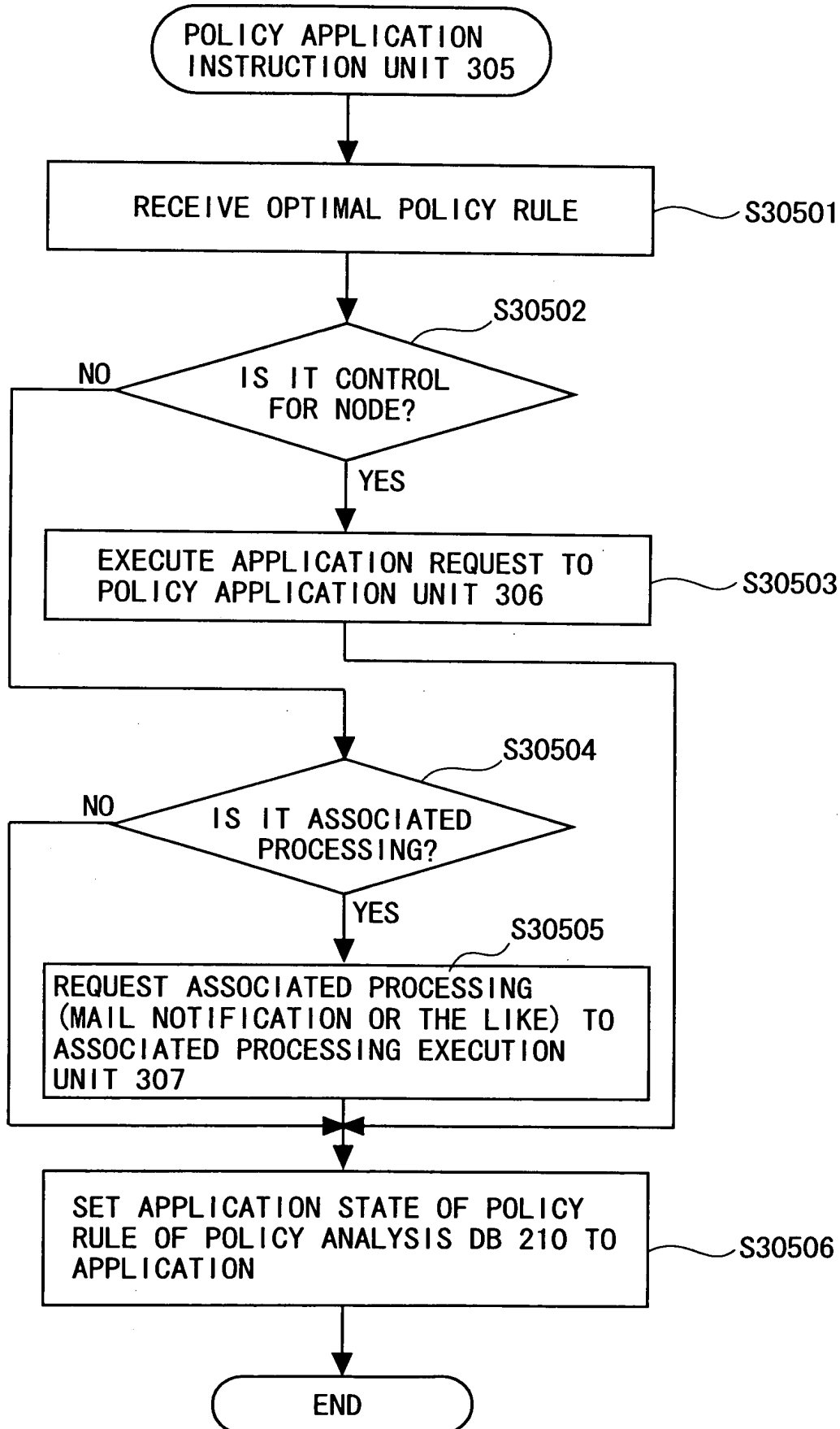


FIG. 14

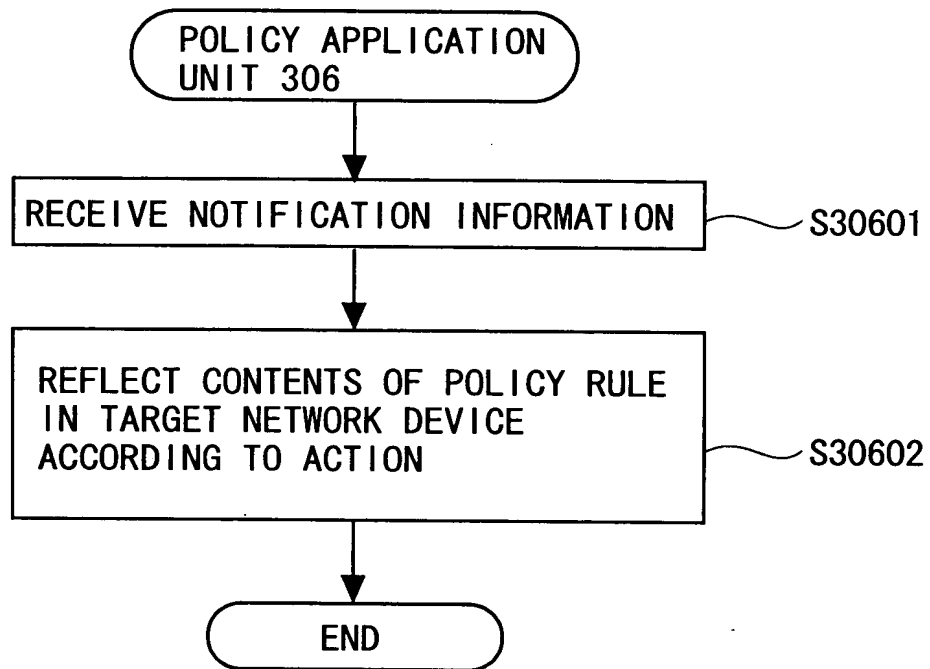


FIG. 15

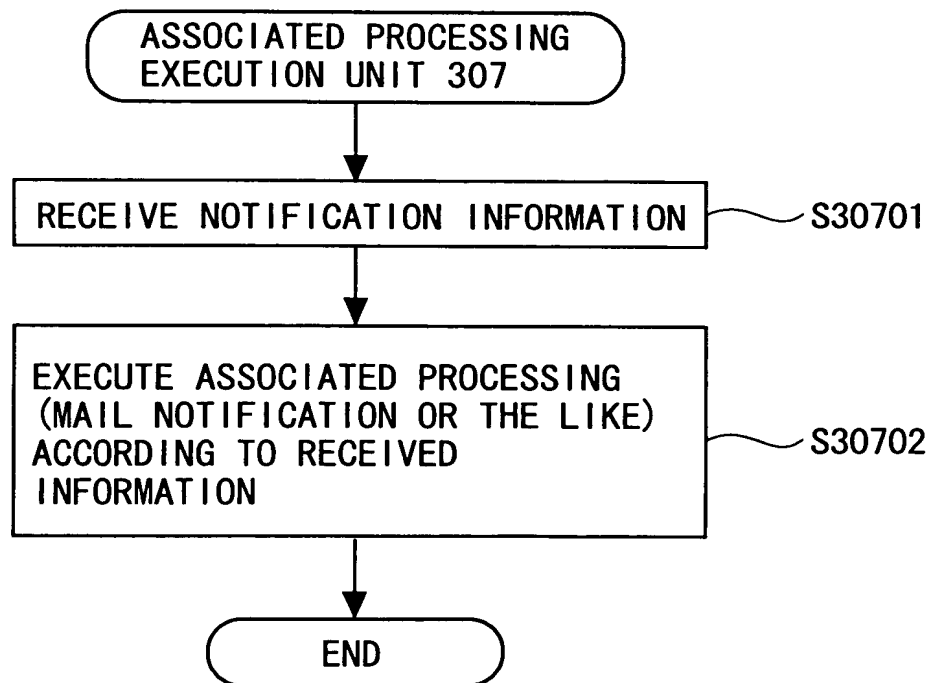


FIG. 16

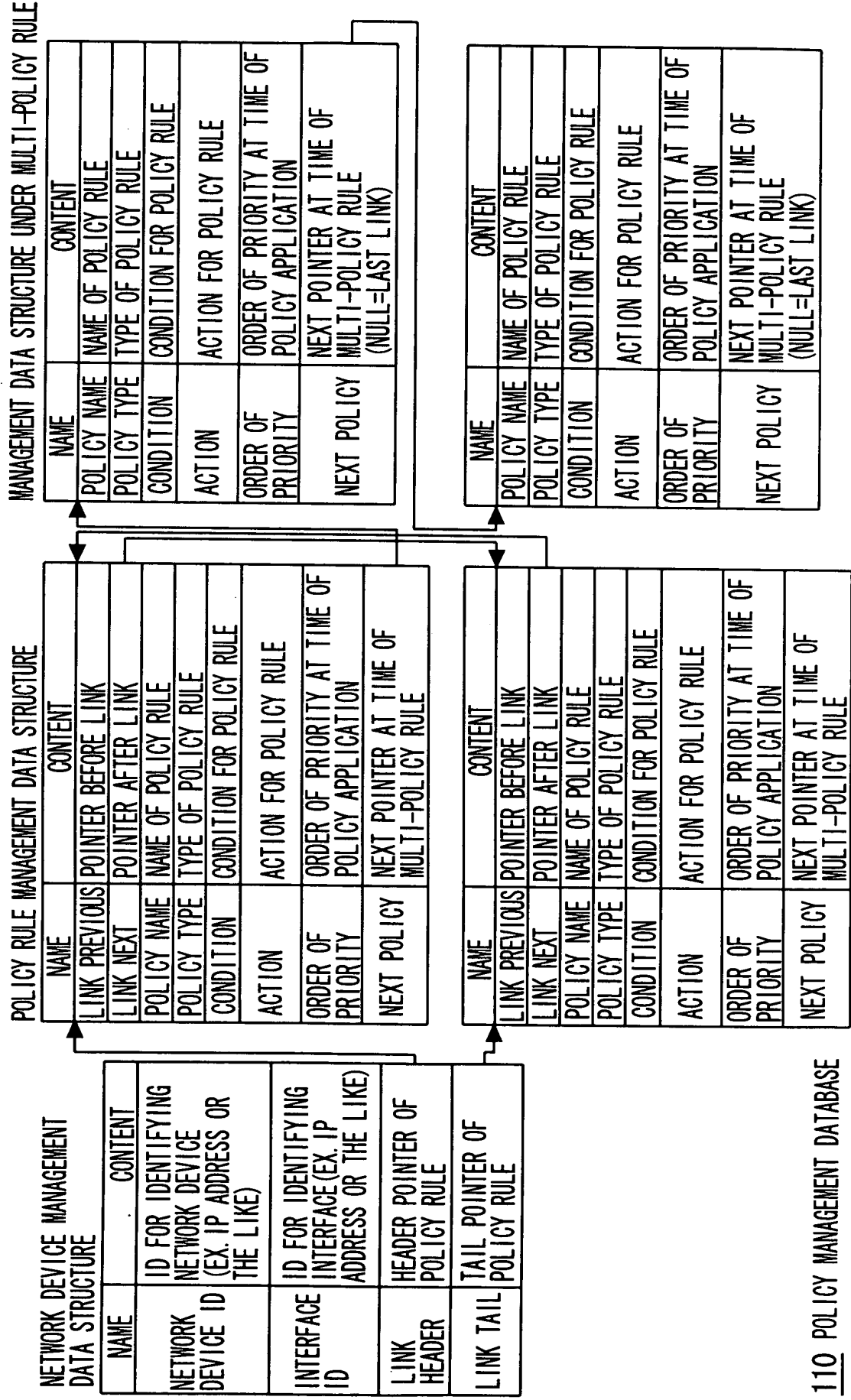


FIG. 17

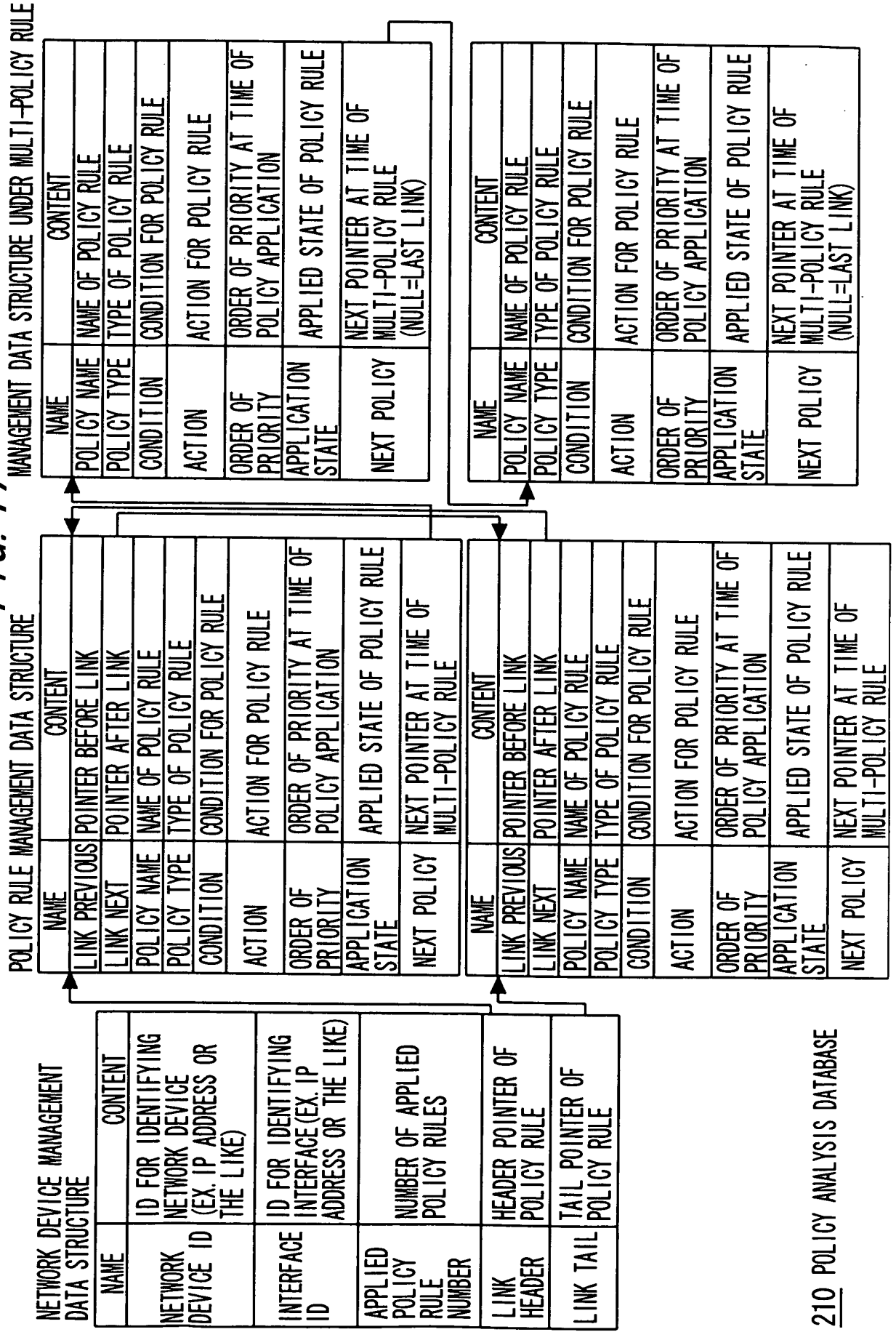


FIG. 18

NETWORK DEVICE MANAGEMENT DATA STRUCTURE

| NAME | CONTENT |
|--------------------|---|
| NETWORK DEVICE ID | ID FOR IDENTIFYING NETWORK DEVICE (EX. IP ADDRESS OR THE LIKE) |
| INTERFACE ID | ID FOR IDENTIFYING INTERFACE (EX. IP ADDRESS OR THE LIKE) |
| PORT STATE | STATE OF PORT (TROUBLE OR THE LIKE) |
| TRAFFIC AMOUNT | TRAFFIC AMOUNT OF INTERFACE |
| PACKET LOSS AMOUNT | PACKET LOSS AMOUNT OF INTERFACE |